

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1264	600/564,567.ccls.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/27 16:38
S3	77	(air or pressure) with release with cannula	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/27 16:50
S4	493	(air or pressure) with release with catheter	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/27 16:53
S5	68	(air) with release with catheter	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/27 16:54
S6	6846	air with (valve or seal) and prevent and bubble	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/27 16:55
S7	270	air with (valve or seal) and prevent and bubble and (MRI or ultrasound)	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/27 16:55
S8	43	air with (valve or seal) and prevent and bubble and (MRI or ultrasound) and cannula	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/27 17:07

## EAST Search History

S9	182	( "20010007925"  "20010011156"  "20010012919"  "20010047183"  "20020016555"  "20020045840"  "20020045842"  "20020068878"  "20020082519"  "20020120212"  "20020151822"  "20020156395"  "20040186393"  "20040215103"  "20040249278"  "20040249307"  "20050004492"  "20050010131"  "20050027210"  "20050165328"  "3606878"  "3844272"  "4490137"  "4859625"  "4940061"  "5025797"  "5125413"  "5282476"  "5368045"  "5400798"  "5526822"  "5546957"  "5617874"  "5649547"  "5655542"  "5709697"  "5752923"  "5766135"  "5769086"  "5769795"  "5775333"  "5788651"  "5807282"  "5817034"  "5823970"  "5857982"  "5913857"  "5928164"  "5944673"  "5951490"  "5964716"  "5971939"  "5976164"  "5980469"  "6007495"  "6007497"  "6019733"  "6022324"  "6027458"  "6036657"  "6050955"  "6077230"  "6083176"  "6083237"  "6086544"  "6106484"  "6110129"  "6120462"  "6126617"  "6142955"  "6162187"  "6165136"  "6193673"  "6196978"  "6213957"  "6231522"  "6241687"  "6273861"  "6273862"  "6280398"  "6283925"  "6322523"  "6328701"  "6402701"  "6428486"  "6428487"  "6432064"  "6432065"  "6436054"  "6488636"  "6540694"  "6540761"  "6551255"  "6554779"  "6638235"  "6752768"  "6758824"  "6764495"  "6849080"  "D403405").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/28 08:09
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## EAST Search History

S12	182	("20010007925" "20010011156" "20010012919" "20010047183" "20020016555" "20020045840" "20020045842" "20020068878" "20020082519" "20020120212" "20020151822" "20020156395" "20040186393" "20040215103" "20040249278" "20040249307" "20050004492" "20050010131" "20050027210" "20050165328" "3606878" "3844272" "4490137" "4859625" "4940061" "5025797" "5125413" "5282476" "5368045" "5400798" "5526822" "5546957" "5617874" "5649547" "5655542" "5709697" "5752923" "5766135" "5769086" "5769795" "5775333" "5788651" "5807282" "5817034" "5823970" "5857982" "5913857" "5928164" "5944673" "5951490" "5964716" "5971939" "5976164" "5980469" "6007495" "6007497" "6019733" "6022324" "6027458" "6036657" "6050955" "6077230" "6083176" "6083237" "6086544" "6106484" "6110129" "6120462" "6126617" "6142955" "6162187" "6165136" "6193673" "6196978" "6213957" "6231522" "6241687" "6273861" "6273862" "6280398" "6283925" "6322523" "6328701" "6402701" "6428486" "6428487" "6432064" "6432065" "6436054" "6488636" "6540694" "6540761" "6551255" "6554779" "6638235" "6752768" "6758824" "6764495" "6849080" "D403405").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/28 07:27
S13	55	S12 and(gasket seal ring valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 07:27
S14	127	S12 NOT S13	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/28 07:50
S15	0	"20209525.8"	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/28 07:50
S16	0	"20209525.8"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 07:59
S17	107	600/568.ccls.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/28 08:11

## EAST Search History

S22	3	"200209525"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 08:20
S23	1	"20209523"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 08:23
S24	1	"20209525"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 08:21
S25	11	"1487346"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 08:21
S28	148	(cannula OR catheter) with (seal or vlave or o-ring or gasket) near (air or pressure)	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/28 08:29
S29	148	(cannula OR catheter) with (seal or vlave or o-ring or gasket) near (air or pressure)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 08:39
S30	23392	one adj way adj (valve or seal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 08:39
S31	1584	one adj way adj (valve or seal) and ("600".clas. or "606".clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 08:40
S32	920	one adj way adj (valve or seal) and ("600".clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 08:54
S33	54055	pressure with (release escape decrease) with (valve or seal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 08:55
S34	3	pressure with (release escape decrease) with (valve or seal) near cannula	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 08:56
S35	1	pressure with (release escape decrease) with (valve or seal) near catheter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 08:57

## EAST Search History

S36	0	(pressure or air) with (release escape decrease) near (valve or seal) near (catheter or cannula or biopsy)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 08:58
S37	520	(pressure or air) with (release escape decrease) near (valve or seal) and (catheter or cannula or biopsy)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/28 08:58
S38	250	600/566.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:53
S39	5807548	pressure or air	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 13:29
S40	242683	(pressure or air) same release	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 13:34
S41	41757	biopsy	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 13:30
S42	2484970	(valve OR seal OR gaseket OR (o adj ring))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 13:32
S43	3649461	(cannula or needle or catheder or tube or cylinder)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/03 13:33
S44	2594340	(inner or inside or internal) SAME (outer or outside or external)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/03 13:34
S45	726413	(pressure or air) same (release or escape or outlet)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 13:35
S46	1398	S41 and S45 and S44 and S43	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:01
S47	21	S41 SAME S45 SAME S44 SAME S43	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 13:52

## EAST Search History

S48	8721	(S41 with S43)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 13:55
S49	804514	S43 with (internal or inside or inner)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 13:56
S50	636753	S43 with (outer outside external)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 13:57
S51	2278	S48 and S49 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 13:58
S52	486598	S43 with S42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 13:59
S53	50714	S43 with S42 SAME S45	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:01
S54	186	S43 with S42 SAME S45 and S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:02
S55	980	S41 and S45 and S44 and S43 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:01
S56	5466739	(prevent or stop or halt or terminate or decrease or eliminate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:28
S57	6788472	(inside or within)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:29
S58	55768	S39 with S56 with S43	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:31
S59	20864	S39 with S56 with S43 SAME S42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:30

## EAST Search History

S62	396	prevent with S39 with cannula	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:37
S63	1065	prevent with S39 with catheter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:38
S64	15	luer with valve same pressure with release	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:38
S65	4	MRI with biopsy same bubble	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:55
S66	0	MRI with biopsy same hemotoma	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:55
S67	7	MRI with biopsy same hematoma	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 14:56
S68	2	"4051852".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 15:17
S69	126	cannula with one adj way adj valve	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 15:17
S70	32	("3348544"   "3388703"   "3454006"   "3565074"   "3612050"   "3714945"   "3825001"   "4099528"   "4205675"   "4250881"   "4445893"   "4488545"   "4531935"   "4588398"   "4828549"   "4911691"   "4960412"   "4964854"   "4973313"   "4986814"   "4995866"   "5030205"   "5078687"   "5156596"   "5533988"   "5618272"   "5743882"   "5817060"   "6338725").PN. OR ("7156836").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 15:22

## EAST Search History

S71	32	("3348544"   "3388703"   "3454006"   "3565074"   "3612050"   "3714945"   "3825001"   "4099528"   "4205675"   "4250881"   "4445893"   "4488545"   "4531935"   "4588398"   "4828549"   "4911691"   "4960412"   "4964854"   "4973313"   "4986814"   "4995866"   "5030205"   "5078687"   "5156596"   "5533988"   "5618272"   "5743882"   "5817060"   "6338725").PN. OR ("7156836").URPN. and (valve or seal)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 15:22
S74	611806	(one adj way) or (one adj direction\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 15:40
S75	2448900	(valve or seal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 15:40
S77	55831	S75 with S74	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 15:41
S78	168	S77 with cannula	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 15:41
S79	42	S77 with cannula not S69	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 15:42
S80	78	S77 with elastic with tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 15:47



# EAST Search History

S81	94	(US-20070208272-\$ or US-20070208271-\$ or US-20070118049-\$ or US-20070038146-\$ or US-20070106176-\$ or US-20070032743-\$ or US-20070027407-\$ or US-20060173377-\$ or US-20060241516-\$ or US-20060149163-\$ or US-20060089564-\$ or US-20050203439-\$ or US-20050165328-\$ or US-20050080355-\$ or US-20020029007-\$ or US-20060229528-\$ or US-20040249278-\$ or US-20070219461-\$ or US-20070208273-\$ or US-20070179401-\$ or US-20070016017-\$ or US-20060116603-\$ or US-20060276723-\$ or US-20050222520-\$ or US-20050090763-\$ or US-20050027210-\$).did. or (US-20040249307-\$ or US-20010007925-\$ or US-20030221728-\$ or US-20070203428-\$ or US-20020016555-\$ or US-20010047183-\$ or US-20040087905-\$ or US-20060258955-\$ or US-20050261604-\$ or US-20070225678-\$ or US-20030088153-\$ or US-20040138626-\$ or US-20020013556-\$ or US-20020002351-\$ or US-20070079831-\$ or US-20030199753-\$ or US-20070179403-\$ or US-20070088259-\$ or US-20060135914-\$ or US-20060129064-\$ or US-20040059293-\$ or US-20030093058-\$).did. or (US-7226424-\$ or US-7189207-\$ or US-7226459-\$ or US-7204812-\$ or US-7147607-\$ or US-6758824-\$ or US-6887209-\$ or US-6638235-\$ or US-6702760-\$ or US-6241687-\$ or US-6231522-\$ or US-5649547-\$ or US-5312354-\$ or US-4844087-\$ or US-4840184-\$ or US-4832044-\$ or US-4784156-\$ or US-7207950-\$ or US-4356828-\$ or US-6620111-\$ or US-7001342-\$ or US-5964717-\$ or	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/10/03 15:44
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## EAST Search History

S82	1	S81 and duck	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/10/03 15:44
S83	1	S81 and bill	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/10/03 15:44
S84	3	S81 and check adj valve	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/10/03 15:45
S85	423	S77 with duck	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 15:49
S86	181395	S77 o-ring	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 15:49
S87	197418	S77 o adj ring	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 15:49
S88	318	S77 with o adj ring	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 16:14
S89	1265	600/564,567.ccls.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/10/09 14:12
S90	1265	S89	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 16:14
S91	115	S89 and o adj ring	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 16:20
S92	773	600/567.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 17:11
S93	143	600/567.ccls. and (seal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 16:25
S94	64	inner same outer same cannula same (o adj ring and seal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 16:34

## EAST Search History

S95	380	elastomeric with seal\$3 with cannula	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/03 17:11
S96	702	600/564.ccls.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/10/09 14:27
S97	6	("3590808"   "5045067"   "5524634"   "5526822").PN. OR ("6231522").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/09 14:13
S98	1477	duck adj bill with valve	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/09 16:06
S99	199	duck adj bill with valve same (catheter or cannula)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/09 16:13
S100	51	duck adj bill same (catheter or cannula) same one adj way adj valve	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/09 16:14